

C O R R I D O R

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A MESSAGE FROM THE DIRECTOR

On April 9, the first of two of the most challenging and difficult projects under the H-1 Corridor umbrella will commence. The completion of both projects will result in significant improvements to two of the busiest segments along the H-1 freeway and the elimination of two of the thorniest problem areas with which Honolulu motorists have long had to contend.

After years of planning and soliciting input from all sectors of the community, the HDOT will begin work on the Kalanianaʻole Highway water main and resurfacing project. Motorists can expect contraflow lanes set up on the highway from 8:30 a.m. to 3 p.m. on weekdays.

As many East Oahu residents know, the water lines along Kalanianaʻole Highway near Kahala Mall have been an annoying source of repeated breaks, resulting in unexpected detours and bumper-to-bumper traffic. With the replacement of those water mains and the road resurfacing that will follow, the completion of this project promises a smoother ride for all travelling in East Oahu.

Work on the widening of the Punahou off-ramp will start on April 29. Initially, motorists can expect minimal traffic impact, with possible single lane closures between 9 a.m. and 3 p.m.

Closer to Downtown, the Punahou off-ramp is one of the busiest off-ramps along the H-1 freeway and routinely becomes a bottleneck for drivers both getting off the freeway and for those simply trying to negotiate past the area. The on- and off-ramps built as part of the old Lunalilo freeway five decades ago were not designed to handle the heavy, high-speed traffic now using the freeway today. The longer approach and addition of another exiting (right) lane onto Punahou Street should dramatically improve the flow and safety for passing and exiting traffic.

For help through these and other traffic hot spots, this newsletter provides information on ongoing and upcoming projects and construction schedules to assist in planning your travel routes. We will continue to utilize roadside notices, our H-1 hotline (587-2345) and our web site (www.state.hi.us/dot) to publicize work and keep drivers informed.

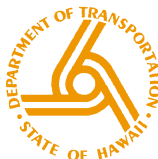
Mahalo,



Brian Minaai
Director of Transportation



For more information,
call the H-1 Hotline at 587-2345
or visit the DOT web site at:
www.state.hi.us/dot



KALANIANAOLE WATER LINE WORK TO SPELL R-E-L-I-E-F

Work on the long-awaited water line replacement along Kalanianaʻole Highway begins in earnest on April 9. Special contraflow lanes will be put in place between 8:30 a.m. to 3 p.m. on weekdays, immediately following and not before the normal morning contraflow lane has been removed. These hours will prevent disruption to morning and afternoon commutes.

Police officers will direct traffic (see contraflow plan below) on Kalaniki Street and Ainakoa Avenue to assist Kalani High School and residential traffic. To enter Kalani High School from the eastbound highway, motorists are advised to proceed past the school and make a "U Turn" at Laukahi Street, because left turns onto Kalaniki Street will not be permitted during construction hours. In addition, only right turns will be allowed from Kalaniki and Waieli Streets, and Waikui Street will be closed to traffic during work hours.

The project is intended to provide East Oahu residents with a more dependable water supply infrastructure than the existing water mains. Just as important to Kalanianaʻole Highway users, it means drivers will get long-sought relief from water line breaks that have plagued the main thoroughfare to East Oahu. In recent years, those lines have had a history of breaks that have periodically disrupted not only water supply to the area but also traffic along that busy corridor.

To provide service to the residents on the mauka side of Kalanianaʻole Highway, an 8-inch water main will be installed. For residents on the makai side of the highway, a 16-inch water main will be installed. The installation of the water lines, by itself, will take a little over a year because of the nature of the work, requiring major excavation that is slow and tedious.

Although nighttime work hours were at one time considered (and have not been ruled out), daytime work hours will be implemented in the initial stage of the project. The purpose is to minimize noise impact on residents in the immediate area who would have to endure noisy excavation work over an extended period of time.

The project will also provide for a new smoother stretch of highway between Ainakoa Avenue and West Hind Drive, when this portion of the highway is re-paved after water line work is completed.

SO WHAT'S FIRST?

Work will first begin on the 8-inch water main at Ainakoa Avenue, in the mauka westbound lane, and proceed east to Laukahi Street.

Work on the 16-inch water line will follow in July. The resurfacing of Kalanianaʻole Highway will be done after the installation of the water lines to avoid digging up the roadway more than once and minimize the disruption of traffic.

The resurfacing work will include cold planing and re-paving from Ainakoa Avenue to West Hind Drive, as well as reconstruction of weakened pavement and sidewalk areas. Bike lanes and curb ramps, improvements to guardrails and drainage, and new signs and pavement markings will also be completed during this time.

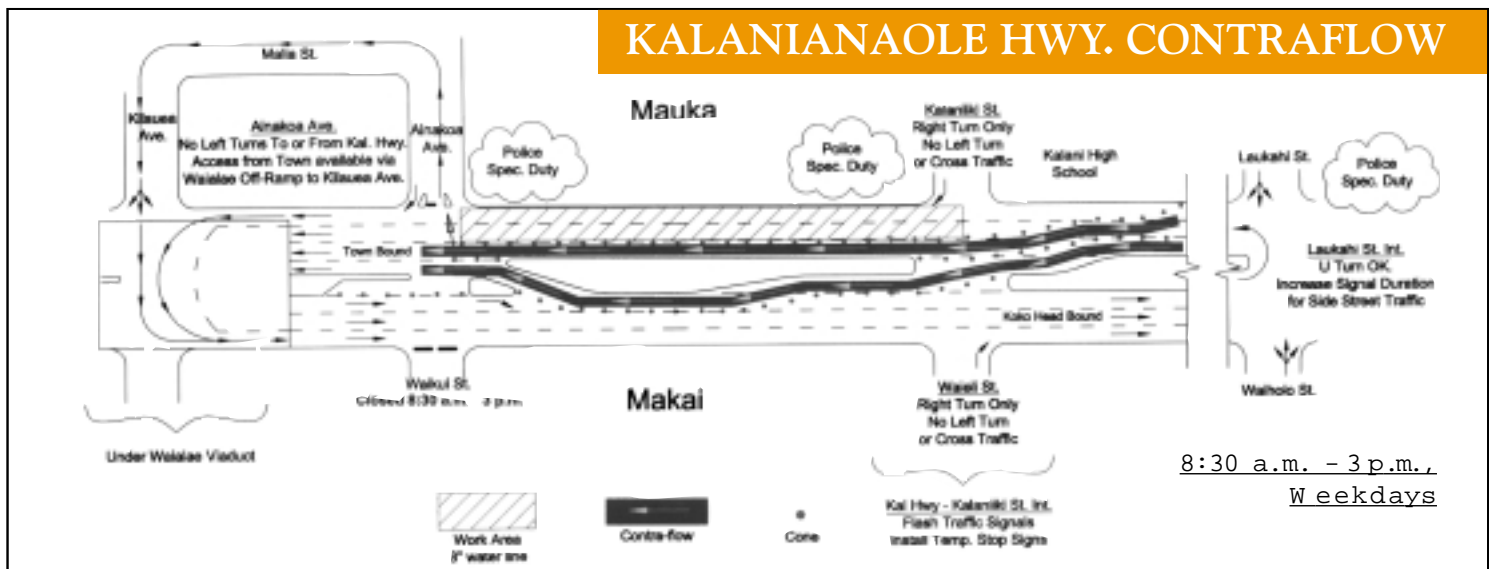
The total project will take 21 months to complete and cost approximately \$6.7 million.

8-INCH WATER LINE WORK SCHEDULE

The contractor has provided the following daily schedule for initial water line work:

- 1) Lane closure will begin at approximately 8:30 a.m. and will take approximately 30 minutes to implement.
- 2) Workers and equipment will be mobilized to begin work. Equipment includes but is not limited to trencher (for digging), dump trucks, loader (for moving material), compactor, boom truck (to carry and move pipes) and other miscellaneous equipment.
- 3) Excavating will begin for the 8-inch water line. Excavation depth is approximately 4 1/2 to 5 feet. Existing 4- to 5-inch asphalt pavement and soil/coral will be removed.
- 4) The contractor will then place and interconnect 18- to 20-foot pipes at the bottom of the trench.
- 5) Material will be backfilled with various backfill material of varying thickness and finally a 4-inch minimum surface placed on the top.
- 6) The contractor's last area of work will be steel plated.
- 7) Cones will be removed at the end of each day.

KALANIANAOLE HWY. CONTRAFLOW



A similar contraflow closure performed last February produced an average delay of 5 to 10 minutes for Kalanianaʻole Highway motorists.

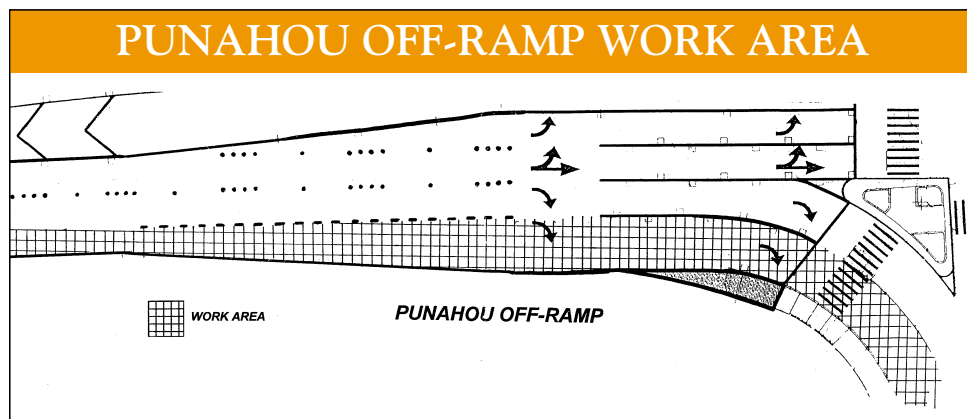
PUNAHOU OFF-RAMP PROJECT TO CREATE A SAFER, MORE EFFICIENT OFF-RAMP

To improve traffic flow off the freeway onto Punahou Street and into the Makiki area, the H-1 freeway's most utilized off-ramp will be widened this year, starting April 29. Work on the eastbound Punahou off-ramp will be conducted from 9 a.m. to 3 p.m. on weekdays, requiring possible single lane closures.

During the initial phases of construction, drivers will experience only occasional lane closures, causing minimal impact to traffic. Instead, traffic will be detoured around the work area. Only during the latter part of the project will a lane on the ramp itself actually be closed, and only one lane will be closed at a time.

The state will also be closing the Piikoi on-ramp during work hours for safety. Traffic will be monitored throughout construction, and adjustments will be made to alleviate excessive traffic impact.

The project includes the addition of a new approximately 300-foot approaching lane and a right-turn lane exiting the off-ramp onto Punahou Street. The cooling towers and incinerator building located at Shriners Hospital will be demolished first in order to accommodate the new right-turn lane. The cooling towers, which are a component of the hospital's air-



conditioning system, will be replaced. Over 1,000 feet of concrete barrier and wall will also be demolished and rebuilt alongside the added lanes.

Other improvements that will be made during the project include new signs, lights, utilities, drainage structures, guardrails, sidewalks, curbs, gutters, and pavement striping.

AVOID BEING CAUGHT IN TRAFFIC

Motorists are advised to avoid the ramps between 9 a.m. and 3 p.m. on weekdays.

Alternate routes include King Street and Kapiolani Boulevard. Tourists and

other Waikiki-bound traffic coming from the airport should utilize Nimitz Highway as an alternate route.

Scope of Project: Re-paving and the addition of one approaching lane and right-turn lane onto Punahou Street

Contractor: Hawaiian Dredging

Estimated Cost: \$2.7 million

Estimated Start: April 29, 2001

Work Hours: 9 a.m. to 3 p.m., Monday through Friday

Traffic Impact: Single lane closure and possible closure of Piikoi and/or Ward on-ramps



VINEYARD WORK STRENGTHENS SUPPORT STRUCTURES

Twenty-four-hour single lane closures will be continued on Palama Street near the Palama separation, where columns are being fiber wrapped to prevent bursting in the event of a seismic disturbance. The contractor has completed the addition of concrete blocking to the abutments and footings near the Vineyard off-ramp, as well as cable restraining at the Makiki ramps.

Single lanes will also be closed from 8:30 a.m. to 3 p.m. weekdays on Halona Street, in the vicinity of the Halona/Vineyard westbound on-ramp, to accommodate ongoing work there. The on-ramp, itself, will remain open to traffic. Work is being performed on Halona Street that involves construction of pipe restraining units to comply with new earthquake design standards.

Scope of Work: Seismic retrofitting of Lunalilo-Vineyard and Makiki off-ramps and Palama separation

Contractor: Hawaiian Dredging

Cost: \$4.1 million

Started: August 2000

Completion: May 2001

Work Hours: 8:30 a.m. to 3 p.m., Monday through Friday

Traffic Impact: 24-hour single lane closures on Palama Street and daytime single lane closures on Halona Street.



APRIL 2001 CONSTRUCTION SCHEDULE

DAYS / HOURS	LOCATION	PROJECT	TRAFFIC IMPACT
Sunday-Thursday 9 p.m.-5 a.m.	H-1, between Punchbowl Street and Kapiolani interchange bridge joint replacement	Barrier upgrade Highway lighting upgrade Drain cleaning	Lane closures
Monday-Friday 8:30 a.m.-3 p.m.	Kalanianaʻole Hwy., between Ainakoa Ave. and Kalaniki St. (Beginning April 9)	Water line work	Contraflow on highway and closure of Waikui St.
	Harding Ave., in both directions, between Kapiolani Blvd. and 1st Ave., as well as on Kapahulu Ave. at the Harding intersection	Seismic retrofit	Lane closures; possible road closures and detours
	Halona St., in the vicinity of Vineyard/Halona west on-ramp	Seismic retrofit	Single lane closure
Monday-Friday 9 a.m.-3 p.m.	Punahou off-ramp (Beginning April 30)	Off-ramp widening	Lane closures
	H-1, between Punahou St. and Kapiolani Interchange	Barrier upgrade Highway lighting upgrade Bridge joint replacement Guardrail upgrade	Single freeway lane closures
	Kapiolani Blvd. on- and off-ramps	Seismic retrofit Guardrail upgrade Bridge joint replacement	Ramp/lane closures
	Lunalilo St., between Keeaumoku and Ernest Streets	Paving ADA ramp work	Lane closures (<i>Local traffic allowed; on-ramp to remain open</i>)
	Metcalf St., between McCully and Alexander Streets (<i>Anticipate 9 a.m.-5 p.m. work on weekends</i>)	Water line work	Lane closure and possible block closure
	Ward Ave., between Kinalau Pl. to Kinau St. (Beginning April 5)	Paving	Lane closures
	McCully St., between Date and Beretania Streets	Paving	Lane closures
Daily 24-hour	Palama St., in the vicinity of the Palama separation	Seismic retrofit	24-hour single lane closure